

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**From:** Moore, Chris  
**Sent:** Tue 5/12/2015 4:07:10 PM  
**Subject:** FW: Landfills Supplemental Proposal OMB Package  
[Post-It Note Landfills NSPS OMB 5-8-15.docx](#)  
[Landfills NSPS Supp Action Memo 5-8-15.docx](#)  
[OMB Transmittal Memo 050815.docx](#)  
[Landfills NSPS draft fact sheet 050815.docx](#)  
[Landfills Communications Plan 5-8-15.docx](#)  
[EO 12866 Landfills NSPS 2060 AM08 SUPP PROP 20150508.docx](#)  
[EO12866 LandfillsEG 2060 AS23 RIA 20150430.docx](#)

Hi Elizabeth,

I had an offline conversation with Charlie in which he agreed to send me what he had. He said he didn't get any edits to the RIA from OAR (yet?) but

Non-Responsive

Non-Responsive

We may get yet another version from Karen Marsh depending on how they're feeling about sharing.

-C

**From:** Fulcher, Charles  
**Sent:** Tuesday, May 12, 2015 11:46 AM  
**To:** Moore, Chris  
**Subject:** FW: Landfills Supplemental Proposal OMB Package

Here is what I believe was sent to OP, and I have also included the current version of the RIA (which is missing a couple of pieces of information because I don't have the updated preamble). And the filename of the RIA will need to be adjusted,

Ex 6 - Other

Charlie

**From:** Weatherhead, Darryl

**Sent:** Monday, May 11, 2015 9:33 AM  
**To:** Fulcher, Charles  
**Subject:** FW: Landfills Supplemental Proposal OMB Package

**From:** Eck, Janet  
**Sent:** Friday, May 08, 2015 2:42 PM  
**To:** Dougherty, Joseph-J  
**Cc:** Rush, Alan; Henigin, Mary; Marsh, Karen; Ward, Hillary; Cozzie, David; Fruh, Steve; Thompson, Fred; Hackel, Angela; CurryBrown, Amanda; Macpherson, Alex; Weatherhead, Darryl  
**Subject:** Landfills Supplemental Proposal OMB Package

Hi Joe, Attached is the Standards of Performance for Municipal Solid Waste Landfills (SAN 4846) supplemental proposal package for OMB review. Please forward for further processing. OAR may want to move this to OP today. Thanks.

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**From:** Moore, Chris  
**Sent:** Mon 5/11/2015 4:13:08 PM  
**Subject:** RE: Landfill EG Package  
Landfills EG Proposal RIA 031115\_updated\_5.11.2015.docx

Hi Elizabeth,

Here's what I came up with. It's 5 sentences but maybe still too long.

Thanks,

Chris

**Ex 5**

**From:** Kopits, Elizabeth  
**Sent:** Monday, May 11, 2015 10:21 AM  
**To:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfill EG Package

If it just needs to be 2-5 sentences, then I think all they are looking for are a few statements summarizing the final costs, emission reductions, and monetized benefits.

**Ex 5**

# Ex 5

That example might be a little too long, but can be easily shortened. I am happy to help you do one for the EG and NSPS, but it will be easiest to do once we actually have the final numbers. Do you have any versions of the RIA yet?

E.

**From:** Moore, Chris  
**Sent:** Monday, May 11, 2015 10:01 AM  
**To:** Marten, Alex  
**Cc:** Kopits, Elizabeth  
**Subject:** FW: Landfill EG Package

Hey Alex,

Is this something you already have for the oil & gas RIA? Only the methane benefits will be the same but I'm just looking for an example. If not, do you have another example handy that I can take a look at?

Thanks,

Chris

**From:** Thundiyil, Karen  
**Sent:** Monday, May 11, 2015 9:55 AM  
**To:** Moore, Chris  
**Cc:** Rees, Sarah  
**Subject:** RE: Landfill EG Package

Hi Chris,

Would you please send me 2-5 sentences on the environmental benefits and compliance costs (with monetization) required for the OP cover sheet that Joel signs before OMB transmittal?

There will be two cover sheets (NSPS & EG).

**Ex 5**

**Ex 5**

**Ex 5**

It will help a lot if you (or one of the other NCEE economists on the action) can do the econ writeup...thanks a lot!

Please let me know if you have any questions.

Karen.

**From:** Moore, Chris  
**Sent:** Thursday, May 07, 2015 3:52 PM  
**To:** Thundiyil, Karen  
**Subject:** RE: Landfill EG Package

Hi Karen,

On the call today they said they would send the EG package to OP tomorrow and we would have a week to review. I'm fine with that deadline.

Chris

**From:** Thundiyil, Karen  
**Sent:** Wednesday, May 06, 2015 9:40 AM  
**To:** Moore, Chris  
**Subject:** RE: Landfill EG Package

Thanks for the message, Chris...I've been meaning to connect with you as the NCEE reviewer on the Landfills package.

**Ex 5**

**Ex 5**

Karen.

**From:** Moore, Chris  
**Sent:** Monday, May 04, 2015 8:33 AM  
**To:** Thundiyil, Karen  
**Subject:** Landfill EG Package

Hi Karen,

I am reviewing the Landfill Emissions Guidelines RIA for NCEE. It looks like you're out of the office until later this week.

**Ex 5**

**Ex 5**

If it's ok with you I'll send my comments to Charlie Fulcher and CC you.

Thanks,

Chris

**To:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]; Weitz, Melissa[Weitz.Melissa@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**Cc:** Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]  
**From:** Marten, Alex  
**Sent:** Wed 5/20/2015 1:31:45 PM  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

I forwarded these on to our folks working on this as I believe they were going to send some additional OSWER comments as well. I will let you know if I hear anything back.

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Macpherson, Alex  
**Sent:** Tuesday, May 19, 2015 5:09 PM  
**To:** Shouse, Kate; Weitz, Melissa; Kopits, Elizabeth; Marten, Alex  
**Cc:** Ragnauth, Shaun  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Kate, Melissa

I'm not hearing back from anyone at OAR. Elizabeth and Alex: is this something maybe y'all could pass on easier?

Alex

**From:** Shouse, Kate  
**Sent:** Tuesday, May 19, 2015 9:42 AM  
**To:** Weitz, Melissa; Kopits, Elizabeth; Macpherson, Alex; Marten, Alex  
**Cc:** Ragnauth, Shaun



**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Thanks, Melissa.

Alex Macpherson, can you send our comments forward through OAR? I've edited some of my original comment bubbles, attached. Thanks!

Kate

**From:** Weitz, Melissa  
**Sent:** Monday, May 18, 2015 5:00 PM  
**To:** Shouse, Kate; Kopits, Elizabeth; Macpherson, Alex; Marten, Alex  
**Cc:** Ragnauth, Shaun  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Thanks Kate-

Sorry I'm so delayed in sending this back to you. I added my edit in a comment bubble below yours.

Melissa

**From:** Shouse, Kate  
**Sent:** Monday, May 18, 2015 1:22 PM  
**To:** Kopits, Elizabeth; Macpherson, Alex; Marten, Alex  
**Cc:** Ragnauth, Shaun; Weitz, Melissa  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Thanks, everyone. I've added some comments to the attached RIA; Melissa, did you want to add your comment on GWP? I think it's still relevant and useful.

# Ex 5

# Ex 5

**From:** Kopits, Elizabeth  
**Sent:** Monday, May 18, 2015 12:13 PM  
**To:** Macpherson, Alex; Shouse, Kate; Marten, Alex  
**Cc:** Ragnauth, Shaun; Weitz, Melissa  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Let me know if it would be helpful for us to flag to OP management as well!

**From:** Macpherson, Alex  
**Sent:** Monday, May 18, 2015 11:23 AM  
**To:** Shouse, Kate; Marten, Alex  
**Cc:** Kopits, Elizabeth; Ragnauth, Shaun; Weitz, Melissa  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Fyi..trying to get feedback from OAR front office on timing

**From:** Shouse, Kate

**Sent:** Monday, May 18, 2015 11:12 AM

**To:** Marten, Alex

**Cc:** Kopits, Elizabeth; Ragnauth, Shaun; Weitz, Melissa; Macpherson, Alex

**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Hi, everyone.

**Ex 5**

**Ex 5**

**Ex 5**

Thanks

Kate

**From:** Marten, Alex

**Sent:** Monday, May 18, 2015 9:23 AM

**To:** Shouse, Kate

**Cc:** Kopits, Elizabeth

**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

**Ex 5**

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Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Shouse, Kate  
**Sent:** Monday, May 18, 2015 8:44 AM  
**To:** Marten, Alex  
**Cc:** Kopits, Elizabeth  
**Subject:** FW: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Hi, Alex. I think you mentioned this DOT proposal earlier; did you or anyone else in OP have a chance to comment on the attached RIA? It was just flagged for me this morning but I assume someone has already reviewed the SCC-relevant section.

Thanks,  
Kate

**From:** Ragnauth, Shaun  
**Sent:** Monday, May 18, 2015 8:37 AM  
**To:** Shouse, Kate  
**Cc:** Weitz, Melissa; Macpherson, Alex  
**Subject:** FW: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Kate, flagging this for you – they are using a GWP weighted SCC value for RIA benefits and taking an NPV of the SCC.

Shaun

**From:** Weitz, Melissa  
**Sent:** Friday, May 15, 2015 4:44 PM  
**To:** Waltzer, Suzanne; Moore, Bruce; McKittrick, Alexis; Ragnauth, Shaun  
**Cc:** Macpherson, Alex; Cozzie, David; Eck, Janet; DeFigueiredo, Mark

**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Just one question/comment on CH4 data, below. Otherwise, looks fine.

## Ex 5

Shaun, can you take a look at this?

Page 155 of RIA "While an official value for methane has not yet been established, other rulemaking efforts<sup>[1]</sup> have used a multiple of 25 times the social cost of carbon dioxide emissions as an approximation."

The 25 GWP is from the *IPCC Fourth Assessment Report* (AR4) (IPCC 2007). Under the current United Nations Framework Convention on Climate Change reporting guidelines for national greenhouse gas inventories (UNFCCC 2014), countries are required to report using the AR4 GWPs. I wouldn't say that 25 is the "official" value, or that there will ever be an "official" value, but what you could say is "The *Inventory of U.S. Greenhouse Gas Emissions and Sinks* (the U.S. official estimate of national-level greenhouse gases, submitted to the United Nations) uses a GWP of 25 for methane, per UN reporting requirements. In addition, recent rulemaking efforts have applied this GWP of 25 to the social cost of carbon dioxide to approximate the social cost of methane."

**From:** InteragencyReviews

**Sent:** Thursday, May 14, 2015 10:09 AM

**To:** Farrar, Wanda; Eagles, Tom; Morgan, Ruthw

**Cc:** Rush, Alan; InteragencyReviews

**Subject:** Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Good morning Wanda, Tom, and Ruth:

A couple OP folks are reviewing the subject action and may have comments. They are wondering if anyone in OAR is also working on it, so they can discuss and coordinate on any response. If OAR staff are reviewing, please let me know who so I can put them in touch with OP's reviewers.

Thanks,

--Stuart

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Stuart Miles-McLean | Office of Regulatory Policy & Management | Office of Policy | Office of the Administrator

202.564.6581 | 3512J WJC North | Mail Code 1803 | 1200 Pennsylvania Avenue NW | Washington, DC 20460

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**From:** InteragencyReviews

**Sent:** Wednesday, April 29, 2015 3:08 PM

**To:** RSC Core; RSC Regions Core

**Cc:** Hanley, Mary; Tulis, Dana; Balserak, Paul; Bromm, Susan; Cristofaro, Alexander; Hessert, Aimee; InteragencyReviews; Kime, Robin; Rader, Cliff; Rees, Sarah

**Subject:** RSC Distribution: Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

For comment by COB Thursday, 05/14.

These interagency review documents are deliberative and pre-decisional and may not be shared or discussed with anyone outside of the Executive Branch.

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**Ex 5**

## **Process Notes**

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- To facilitate preparation of the Agency's response, please either use "Track Changes" (i.e., redline/strikeout) to directly insert your comments into the text of the attached file(s), or for general comments/concerns/observations, insert a new blank page at the beginning of the file and use that page for your general comments. Your comments do not need documented management approval, but are generally assumed to represent the views of the commenting AA-ship or RA-ship.

- Please submit comments via your Regulatory Steering Committee (RSC) Representative, or Regional Regulatory Contact (RRC). RSC Reps and RRC's should email comments to our proxy mailbox, [InteragencyReviews@epa.gov](mailto:InteragencyReviews@epa.gov), or post comments in the RSC Team Room.

- If review of the action gives rise to substantive/technical comments from multiple offices, it is typical for one office with subject matter expertise to volunteer to coordinate the preparation of the Agency's response. In some cases, if no office volunteers to take the lead, OP may ask the commenting offices to work together to reconcile and compile their comments in order to ensure the commenters' intentions are not misinterpreted or misconstrued. If more time is necessary to accomplish this internal collaborative step, OP may seek additional time from OMB for the Agency to complete its review.

Please follow the doclink->[Notes Link](#)

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Stuart Miles-McLean | Office of Regulatory Policy & Management | Office of Policy | Office of the Administrator

202.564.6581 | 3512J WJC North | Mail Code 1803 | 1200 Pennsylvania Avenue NW | Washington, DC 20460

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[1] See, e.g., the Corporate Average Fuel Economy (CAFE) rulemaking, [http://www.nhtsa.gov/staticfiles/rulemaking/pdf/cafe/FRIA\\_2017-2025.pdf](http://www.nhtsa.gov/staticfiles/rulemaking/pdf/cafe/FRIA_2017-2025.pdf)

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]; Kok, Nancy[Kok.Nancy@epa.gov]; Snyder, Brett[Snyder.Brett@epa.gov]  
**Cc:** Harvey, Alecia[Harvey.Alecia@epa.gov]; Palmer, Jamie[Palmer.Jamie@epa.gov]  
**From:** Clayton, Margie  
**Sent:** Tue 5/19/2015 2:23:41 PM  
**Subject:** RE: Sending OAP funds to OP for a commitment notice

**Ex 5**

thanks

Margie Clayton, Director  
Management Operations Staff  
Climate Change Division  
Office No: (202) 343-9251  
Fax No: (202) 343-1204  
Telework (1st Friday of Payperiod)No: (202) 596-0353

-----Original Message-----

From: Kopits, Elizabeth  
Sent: Tuesday, May 19, 2015 10:22 AM  
To: Shouse, Kate; Kok, Nancy; Snyder, Brett  
Cc: Clayton, Margie; Harvey, Alecia; Palmer, Jamie  
Subject: RE: Sending OAP funds to OP for a commitment notice

Thanks, Kate.

**Ex 5**

**Ex 5**

Thanks,  
Elizabeth

-----Original Message-----

From: Shouse, Kate  
Sent: Tuesday, May 19, 2015 8:31 AM  
To: Kok, Nancy; Snyder, Brett  
Cc: Clayton, Margie; Harvey, Alecia; Kopits, Elizabeth; Palmer, Jamie  
Subject: RE: Sending OAP funds to OP for a commitment notice

Thanks, Nancy. You are correct that it should have gone to the approvers first. Worked with our FCO this morning and sent it to the approvers for their review.

Thanks again,  
Kate

-----Original Message-----

From: Kok, Nancy  
Sent: Monday, May 18, 2015 3:39 PM  
To: Shouse, Kate; Snyder, Brett  
Cc: Clayton, Margie; Harvey, Alecia; Kopits, Elizabeth; Palmer, Jamie  
Subject: RE: Sending OAP funds to OP for a commitment notice

Hi Kate,

I see your CN in IGMS. It looks like it needs to be sent to your approvers first (Pamela Bullard and Margie Clayton) and then sent to your FCO (Jamie). Pamela and Margie have not approved it yet. Also in our office, we usually enter some information in the Fiscal Information table, e.g., FY, Approp Code, BO

Code, etc., before we send it to our FCO. But your office may have a different business process.

Thanks,  
Nancy Kok  
Office of Policy  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW, 1805T  
Washington, DC 20460  
(202) 564-6064 (ph)  
(202) 566-3001 (fax)  
Kok.Nancy@epa.gov

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From: Shouse, Kate  
Sent: Monday, May 18, 2015 3:15 PM  
To: Snyder, Brett  
Cc: Clayton, Margie; Harvey, Alecia; Kok, Nancy; Kopits, Elizabeth; Palmer, Jamie  
Subject: RE: Sending OAP funds to OP for a commitment notice

Thanks, Brett, that sounds like a good plan. I just sent the CN forward on my side so hopefully that will come through soon. I've listed you and Nancy as readers.

Jamie, I think it should go to you first in IGMS but please let me know if you don't receive it.

From: Snyder, Brett  
Sent: Monday, May 18, 2015 3:03 PM  
To: Shouse, Kate  
Cc: Clayton, Margie; Harvey, Alecia; Kok, Nancy; Kopits, Elizabeth  
Subject: RE: Sending OAP funds to OP for a commitment notice

Hi Kate — **Ex 5**

**Ex 5**

Thanks,

Brett  
566-2261

From: Shouse, Kate  
Sent: Monday, May 18, 2015 2:13 PM  
To: Snyder, Brett  
Cc: Clayton, Margie; Harvey, Alecia; Kok, Nancy  
Subject: RE: Sending OAP funds to OP for a commitment notice

Hi, Brett. **Ex 5**

**Ex 5**

Thanks for sharing this information, it is immensely helpful.

From: Snyder, Brett  
Sent: Friday, May 15, 2015 9:50 AM  
To: Shouse, Kate  
Cc: Clayton, Margie; Harvey, Alecia; Kok, Nancy  
Subject: RE: Sending OAP funds to OP for a commitment notice

Hi Kate:

Sounds like a plan.

Attaching working draft if the Statement of Work, should you want to include it anything it contains in communication with your management concerning project and Commitment Notice.

Here is some additional information we prepared in our Commitment Notice

**Ex 5**

# Ex 5

Thanks again, and let us know if you have any questions.

Brett Snyder  
USEPA, NCEE  
202-566-2261

From: Shouse, Kate  
Sent: Friday, May 15, 2015 8:56 AM  
To: Snyder, Brett  
Cc: Clayton, Margie; Harvey, Alecia; Kok, Nancy  
Subject: RE: Sending OAP funds to OP for a commitment notice

Thanks, Brett, for the helpful and prompt response. OAP can create the commitment notice in IGMS, route it, and finalize so that Leon can add the funds. I am going to meet with Margie on Monday morning so that we can sort through some OAP-specific details. In the meantime, if you are able to send a screen shot, that would be really helpful. Will circle back with you once we've created the commitment notice.

Thanks again,  
Kate

From: Snyder, Brett  
Sent: Thursday, May 14, 2015 4:38 PM  
To: Shouse, Kate  
Cc: Clayton, Margie; Harvey, Alecia; Kok, Nancy  
Subject: RE: Sending OAP funds to OP for a commitment notice

Hi Kate and Margie:

Thank you for your notes and for helping us out with the IA with DOE to access their NRC contract.

Are you all able to create a Commitment Notice in the Interagency Agreement "Working" file in IGMS? If you are (hope so) that seems to me to be the best approach to take, since that way we can limit the review/approval/funds certifying officer roles on the Commitment Notice to the appropriate OAR staff. I fear if we try to combine both our funding actions into the same Commitment Notice, that will result in an unwieldy signature chain between OP and OAR.

The Commitment Notice can cite Alecia Harvey as the Project Officer; Nancy Kok (our OP grants expert) and me as "Readers" on the Commitment Notice; and Leon Smith as the grants specialist (he covers all DOE IAs). I can also send you a screen shot of our own work-in-progress Commitment Notice, along with some cut-n-paste narrative to include in a couple of the Commitment Notice fields.

One key missing bit of information we don't yet have is the official assigned IA# to be used by EPA. We have a temporary assigned ID#, but we'll need to add the official one to your Commitment Notice to help make sure it is properly tied to the Decision Memorandum. Expect to get one soon.

If instead of your office creating the Commitment Notice, you would rather we here in OP created one for you, that is OK too. If we do so, we need you to tell us all the names of the folks to include as OAR's approvers and FCO and the budget codes to use. We would fill in the rest of the form and then route it for you all to approve.

We have asked the legal counsel in the grants office to review our current Statement of Work for the IA, and are awaiting their final feedback. While there isn't a place on the Commitment Notice that requires this information, if you want to make reference anywhere in the record, their legal counsel indicated that the Clean Air Act §103(b)(2) is the appropriate statutory authority for this IA.

Thanks again, and if it helps to chat about anything as well, happy to do so.

Brett Snyder  
USEPA, NCEE  
202-566-2261

From: Shouse, Kate  
Sent: Thursday, May 14, 2015 4:01 PM  
To: Snyder, Brett  
Cc: Clayton, Margie  
Subject: Sending OAP funds to OP for a commitment notice

Hi, Brett. I understand that you are the lucky person putting together the OP Commitment Notice to send EPA funds to DOE to support a potential DOE-NRC contract. The office I work in, OAR/OAP, is also contributing funds to this EPA-DOE IAA. Do you know what I need to do to get the funds from OAP onto the commitment notice you're compiling?

Margie Clayton, copied above, heads the Management and Operations group in OAP. Margie, I'll coordinate with you once we sort out what OP needs.

Thanks,  
Kate

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Shouse, Kate  
**Sent:** Thur 5/14/2015 4:04:30 PM  
**Subject:** RE: Q&As on the RTC  
Q&A OMB RTC v2 (ek alm) v3.docx

**Ex 5**

**Ex 5** I'll need to send to Allen but he's fine  
doing a review concurrent with OP management.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 14, 2015 10:51 AM  
**To:** Shouse, Kate  
**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

With the attachment.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 14, 2015 10:50 AM  
**To:** Shouse, Kate  
**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

P.S. Kate – Here is a slightly updated version, incorporating a comment from Alex. I deleted the “based on the comments received” from Q11.

**Ex 5**

As for the desk statement, we may need more than 1. Working on that.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 14, 2015 10:34 AM  
**To:** Shouse, Kate

**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

Hi Kate – Thanks so much for starting these! Here are some edits from Alex M and me. Let me know what you think.

Alex – please chime in if you disagree with any of the changes I made this morning.

I think we will also need a short desk statement. I can try to take a crack at that in a little bit. Will also try to look at the HD2 Q&A you sent yesterday.

Thanks,

Elizabeth

**From:** Marten, Alex  
**Sent:** Wednesday, May 13, 2015 6:13 PM  
**To:** Kopits, Elizabeth  
**Subject:** RE: Q&As on the RTC

a few thoughts in the attached, but nothing i really feel strongly about.

--

Alex L. Marten  
phone: (202) 566-2301  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 13, 2015 3:09 PM  
**To:** Marten, Alex



**Subject:** FW: Q&As on the RTC

This is what I have so far. Will get back to it in the AM, so if you do anything on it before then please send back your edits so I can be working off the latest version. Thanks!

**From:** Shouse, Kate  
**Sent:** Wednesday, May 13, 2015 1:04 PM  
**To:** Kopits, Elizabeth  
**Cc:** Marten, Alex; Fawcett, Allen  
**Subject:** Q&As on the RTC

Hi, Elizabeth. Please find attached a rough draft of Q&As on the OMB RTC,

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**Ex 5**

**Ex 5**

Thanks,  
Kate

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**Cc:** McGartland, Al[McGartland.Al@epa.gov]  
**From:** Marten, Alex  
**Sent:** Tue 5/12/2015 2:44:02 PM  
**Subject:** FW: case 14-60535  
[\[Untitled\].pdf](#)

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Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

-----Original Message-----

From: Roberts, Martha  
Sent: Tuesday, May 12, 2015 10:29 AM  
To: Marten, Alex  
Subject: FW: case 14-60535

-----Original Message-----

From: Silverman, Steven  
Sent: Tuesday, May 12, 2015 10:26 AM  
To: Roberts, Martha  
Subject: FW: case 14-60535

-----Original Message-----

From: Silverman, Steven  
Sent: Friday, May 08, 2015 12:06 PM  
To: Shouse, Kate  
Cc: Simons, Andrew  
Subject: FW: case 14-60535

-----Original Message-----

From: Silverman, Steven  
Sent: Wednesday, April 29, 2015 12:07 PM  
To: Kulschinsky, Edward  
Cc: Schmidt, Lorie; Zenick, Elliott  
Subject: FW: case 14-60535

Ed,

Attached is incoming brief raising DQA issues with regard to social cost of carbon as used (purportedly) to support a DOE energy efficiency std. Could you look at this, and it is possible we will be talking w DOE/DOJ about the case in next week or so (altho I believe an extension to file respondent brief is being sought)

-----Original Message-----

From: EZTech\_Printer [mailto:EZTek@epa.gov]  
Sent: Wednesday, April 29, 2015 11:55 AM

To: Silverman, Steven  
Subject: case 14-60535

Please open the attached document. This document was digitally sent to you using an HP Digital Sending device.

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**From:** Marten, Alex  
**Sent:** Mon 5/4/2015 3:41:06 PM  
**Subject:** FW: IWG comments of NAS charge  
2015 03 25 NAS SCC draft charge questions - cleaned - IWG comments - alm.docx

so its at the top of your inbox :)

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Marten, Alex  
**Sent:** Thursday, April 30, 2015 6:18 PM  
**To:** Shouse, Kate; Fawcett, Allen; Barron, Alex; McGartland, Al; Kopits, Elizabeth  
**Subject:** IWG comments of NAS charge

Hi All,

Attached is a combined version of the comments received from the IWG on the NAS charge. Josh thought these were all of them but is going to double check his email archive to confirm.

I have included my initial reactions and some edits to address them.  
I'm interested to hear what others think.

**Ex 5**

**Ex. 5**

# Ex 5

--

Alex L. Marten

phone: (202) 566-2301

email: marten.alex@epa.gov

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]  
**From:** Jenkins, Robin  
**Sent:** Mon 5/4/2015 3:17:35 PM  
**Subject:** RE: social cost of methane

Thank you. And welcome back Elizabeth!

Robin

**From:** Kopits, Elizabeth  
**Sent:** Monday, May 04, 2015 11:16 AM  
**To:** Jenkins, Robin; Marten, Alex  
**Subject:** RE: social cost of methane

Alex- didn't you say that the HDV2 rule is already over at OMB? If so, it seems that PHMSA could get in touch with folks at NHTSA and ask them for the methane discussion they used in in HDV2.

That would at least use Marten et al. in sensitivity analysis and mention that peer review is underway, right?

Elizabeth

**From:** Jenkins, Robin  
**Sent:** Monday, May 04, 2015 11:12 AM  
**To:** Marten, Alex  
**Cc:** Kopits, Elizabeth  
**Subject:** RE: social cost of methane

PHMSA

**From:** Marten, Alex

**Sent:** Monday, May 04, 2015 11:11 AM  
**To:** Jenkins, Robin  
**Cc:** Kopits, Elizabeth  
**Subject:** RE: social cost of methane

Do you know what office in DOT is writing the rule?

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Jenkins, Robin  
**Sent:** Monday, May 04, 2015 11:07 AM  
**To:** Marten, Alex  
**Subject:** social cost of methane

Alex,

I'm looking at a DoT rule on pipeline safety that will prevent natural gas leaks. They are valuing methane emissions as 25 times the SCC - they cite the NHTSA CAFÉ rule.

Ex 5

**Ex 5**

Marten, Alex L., and Stephen C. Newbold. "Estimating the social cost of non-CO2 GHG emissions: Methane and nitrous oxide." *Energy policy* 51 (2012): 957-972.

Thank you,

Robin





**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]  
**From:** Marten, Alex  
**Sent:** Mon 5/4/2015 3:16:38 PM  
**Subject:** RE: social cost of methane

**Ex 5**

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Kopits, Elizabeth  
**Sent:** Monday, May 04, 2015 11:16 AM  
**To:** Jenkins, Robin; Marten, Alex  
**Subject:** RE: social cost of methane

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**Ex 5**

**Ex 5**

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**Ex 5**

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Marten, Alex L., and Stephen C. Newbold. "Estimating the social cost of non-CO2 GHG emissions: Methane and nitrous oxide." *Energy policy* 51 (2012): 957-972.

Thank you,

Robin

**To:** Shouse, Kate[Shouse.Kate@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**Cc:** Li, Jia[Li.Jia@epa.gov]; Nagelhout, Peter[Nagelhout.Peter@epa.gov]  
**From:** Klemick, Heather  
**Sent:** Thur 1/8/2015 9:58:12 PM  
**Subject:** RE: HD2 preamble: SCC edits

Thanks for the update, Kate.

Heather

**From:** Shouse, Kate  
**Sent:** Thursday, January 08, 2015 4:18 PM  
**To:** Marten, Alex; Kopits, Elizabeth  
**Cc:** Klemick, Heather; Li, Jia  
**Subject:** Re: HD2 preamble: SCC edits

Thanks, Alex. Just wanted to circle back with a quick update. Ken Davidson and I spoke with Don Pickrell (Volpe/DOT) about the SCC section;

Ex 5

**Ex 5**

Couple things to note:

(1) Probably news only to me, but there is currently one preamble for both agencies (we've done separate preambles in the light duty rulemakings).

**Non-Responsive**

## Ex 5

only one SCC

discussion in the RIA. I will keep my eyes open for any new sections and ask that you do the same if the RIA comes across your desk.

Thanks!

Kate

---

**From:** Marten, Alex  
**Sent:** Tuesday, January 06, 2015 12:37 PM  
**To:** Shouse, Kate; Kopits, Elizabeth  
**Cc:** Klemick, Heather; Li, Jia  
**Subject:** RE: HD2 preamble: SCC edits

## Ex 5

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Shouse, Kate  
**Sent:** Tuesday, January 06, 2015 12:33 PM  
**To:** Kopits, Elizabeth  
**Cc:** Klemick, Heather; Marten, Alex; Li, Jia  
**Subject:** RE: HD2 preamble: SCC edits

Hi, everyone.

Ex 5

## Ex 5

(1)

Ex 5

**Ex 5**

**Ex 5**

**From:** Kopits, Elizabeth  
**Sent:** Monday, January 05, 2015 4:19 PM  
**To:** Shouse, Kate  
**Cc:** Klemick, Heather; Marten, Alex; Li, Jia  
**Subject:** Re: HD2 preamble: SCC edits

Sorry I think our emails crossed

Sent from my iPhone

On Jan 5, 2015, at 4:16 PM, "Shouse, Kate" <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)> wrote:

Thanks, Heather, no need to pass them along (I've shared with Ken Davidson), I am going to update OTAQ's master file too. Just need to run through again and compare level of detail in SCC section to level of detail in other preamble sections

**Ex 5**

Thanks, all, for reviewing and commenting.

Thanks,  
Kate

---

**From:** Klemick, Heather  
**Sent:** Monday, January 05, 2015 4:12 PM  
**To:** Marten, Alex; Shouse, Kate; Kopits, Elizabeth  
**Cc:** Li, Jia

**Subject:** RE: HD2 preamble: SCC edits

## Ex 5

Thanks,

Heather

**From:** Marten, Alex  
**Sent:** Monday, January 05, 2015 2:50 PM  
**To:** Shouse, Kate; Kopits, Elizabeth; Klemick, Heather  
**Cc:** Li, Jia  
**Subject:** RE: HD2 preamble: SCC edits

## Ex 5

--

Alex L. Marten  
phone: (202) 566-2301  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Shouse, Kate  
**Sent:** Wednesday, December 31, 2014 10:38 AM  
**To:** Kopits, Elizabeth; Marten, Alex; Klemick, Heather  
**Cc:** Li, Jia  
**Subject:** HD2 preamble: SCC edits

Hi, everyone. NHTSA sent edits/comments on the SCC section of the HD2 preamble right before the holiday. There wasn't enough time to incorporate comments in the package that

went to the workgroup so OTAQ plans to deal with the comments after the holiday. Jia and I went through the SCC comments, though, so that we can be ready to move once OTAQ is ready to respond.

Ex 5

Ex 5

**Ex 5**

Ex 5

Unless otherwise noted, the redline edits are from NHTSA.

Also, NHTSA sent RIA files back to EPA but I don't see any redline in the economics chapter. Some of the text looks different and I suspect they accidentally sent us a clean version of their edits. Will see if they have a redline version to share instead.

Thanks and happy new year!

Summary of NHTSA's comments on the HD2 preamble (I think you all had the gist of this but as a reminder):

**Ex 5**



**To:** Marten, Alex[Marten.Alex@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**Cc:** Klemick, Heather[Klemick.Heather@epa.gov]  
**From:** Li, Jia  
**Sent:** Wed 1/7/2015 4:31:55 PM  
**Subject:** RE: HD2 preamble: SCC edits

Hi Kate:

Thanks so much for getting on top of the HD2 preamble and for checking the SCC text carefully.

Ex 5

Ex 5

**Ex 5**

**Ex 5**

Ex 5

Thanks!

Jia

**From:** Marten, Alex  
**Sent:** Tuesday, January 06, 2015 12:37 PM  
**To:** Shouse, Kate; Kopits, Elizabeth  
**Cc:** Klemick, Heather; Li, Jia  
**Subject:** RE: HD2 preamble: SCC edits

**Ex 5**

--

Alex L. Marten  
phone: (202) 566-2301  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Shouse, Kate  
**Sent:** Tuesday, January 06, 2015 12:33 PM  
**To:** Kopits, Elizabeth  
**Cc:** Klemick, Heather; Marten, Alex; Li, Jia  
**Subject:** RE: HD2 preamble: SCC edits

Hi, everyone.

Ex 5

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**Ex 5**

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**Sent:** Monday, January 05, 2015 4:19 PM  
**To:** Shouse, Kate  
**Cc:** Klemick, Heather; Marten, Alex; Li, Jia  
**Subject:** Re: HD2 preamble: SCC edits

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Sent from my iPhone

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Thanks, Heather, no need to pass them along (I've shared with Ken Davidson), I am going to update OTAQ's master file too. Just need to run through again and compare level of detail in SCC section to level of detail in other preamble sections

**Ex 5**

Thanks, all, for reviewing and commenting.

Thanks,  
Kate

---

**From:** Klemick, Heather  
**Sent:** Monday, January 05, 2015 4:12 PM  
**To:** Marten, Alex; Shouse, Kate; Kopits, Elizabeth  
**Cc:** Li, Jia  
**Subject:** RE: HD2 preamble: SCC edits

**Ex 5**

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**Cc:** Li, Jia  
**Subject:** RE: HD2 preamble: SCC edits

Thanks Kate.

**Ex 5**

**Ex 5**

--

Alex L. Marten  
phone: (202) 566-2301  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Shouse, Kate  
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**To:** Kopits, Elizabeth; Marten, Alex; Klemick, Heather  
**Cc:** Li, Jia  
**Subject:** HD2 preamble: SCC edits

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Ex 5

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Thanks and happy new year!

Summary of NHTSA's comments on the HD2 preamble (I think you all had the gist of this but as a reminder):

Ex 5

**Ex 5**

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Mon 7/20/2015 1:38:48 PM  
**Subject:** Re: SCC in short tons?

**Ex 5**

Otherwise proceed as needed.

Sent from my iPhone

On Jul 20, 2015, at 9:34 AM, "Shouse, Kate" <Shouse.Kate@epa.gov> wrote:

**Ex 5**

Alex Macpherson, is there someone in your group who can help with the QA? I can add a table and language to the RIA this morning but my time this afternoon is limited (I need to  
**Ex 6 - Other** Depending how soon I can update the RIA, I may not be able to go through every label by COB today.

**From:** Kopits, Elizabeth  
**Sent:** Monday, July 20, 2015 9:14 AM  
**To:** Macpherson, Alex  
**Cc:** Shouse, Kate; Marten, Alex  
**Subject:** Re: SCC in short tons?

**Ex 5**

Sent from my iPhone

On Jul 20, 2015, at 9:06 AM, "Macpherson, Alex" <Macpherson.Alex@epa.gov> wrote:

**Ex 5**

**From:** Kopits, Elizabeth  
**Sent:** Monday, July 20, 2015 9:06 AM  
**To:** Shouse, Kate  
**Cc:** Macpherson, Alex; Marten, Alex  
**Subject:** Re: SCC in short tons?

**Ex 5**

Sent from my iPhone

On Jul 20, 2015, at 9:03 AM, "Shouse, Kate" <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)> wrote:

**Ex 5**

**From:** Kopits, Elizabeth  
**Sent:** Monday, July 20, 2015 9:02 AM  
**To:** Macpherson, Alex  
**Cc:** Marten, Alex; Shouse, Kate  
**Subject:** Re: SCC in short tons?

**Ex 5**

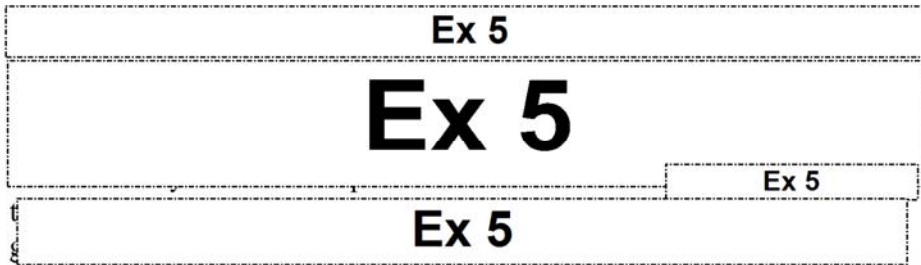
Sent from my iPhone

On Jul 20, 2015, at 8:50 AM, "Macpherson, Alex" <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)> wrote:

**Ex 5**

**From:** Marten, Alex  
**Sent:** Monday, July 20, 2015 8:47 AM  
**To:** Kopits, Elizabeth  
**Cc:** Shouse, Kate; Macpherson, Alex

**Subject:** Re: SCC in short tons?

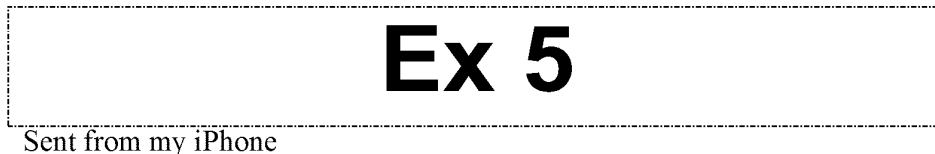


Looping in Alex. He has probably been brought up to speed already on this ask, but just in case.

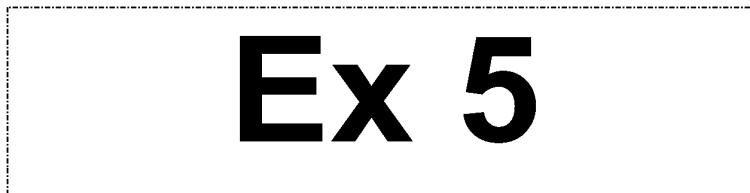
--

Alex L. Marten  
phone: [\(202\) 566-2301](tel:(202)566-2301)  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

On Jul 20, 2015, at 7:32 AM, Kopits, Elizabeth  
<[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)> wrote:



On Jul 20, 2015, at 7:28 AM, "Shouse, Kate"  
<[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)> wrote:





**Ex 5**

**Ex 5**

Sent from my iPhone

**To:** 'Linn, Joshua'[, EOP email/phone]; 'Laity, Jim'[, EOP email/phone]  
**From:** Kopits, Elizabeth  
**Sent:** Wed 7/1/2015 5:45:22 PM  
**Subject:** RE: announcement

Does this mean we need to change NRC to Academies in the blog post, RTC, and FR notice as well?

Jim – Mary Ellen just told us that as of today, they are no longer the National Research Council and are instead the “National Academies of Sciences, Engineering and Medicine” so we need to change how we refer to them –i.e., “National Academies of Sciences, Engineering and Medicine” instead of “National Academy of Sciences’ National Research Council”, and “Academies” instead of “NRC” for short.

**From:** O'Connell, MaryEllen [mailto:moconnell@nas.edu]  
**Sent:** Wednesday, July 01, 2015 1:35 PM  
**To:** 'Linn, Joshua'; Hodson, Elke; Kopits, Elizabeth  
**Subject:** RE: announcement

Josh – Is the announcement still slated for Thursday and if so, can you make the changes listed below?:

As noted above, commenters provided a wide range of perspectives and technical input on how to further refine the SCC estimates. To help synthesize the technical information and input reflected in the comments, and to add additional rigor to the next update of the SCC, the IWG plans to seek independent expert advice on technical opportunities to improve the SCC estimates, including many of the approaches suggested by commenters and summarized in this document. Specifically, the IWG plans to ask the National Academies of Sciences, Engineering, and Medicine[delete: of the National Research Council (NRC)] to examine the technical merits and challenges of potential approaches to improving the SCC estimates in future updates. Input from the Academies [delete NRC], informed by public comments and the peer-reviewed literature, will help to ensure that the SCC estimates used by the federal government continue to reflect the best available science and methodologies.

The Academies' [delete NRC] review will take some time, during which Federal agencies will have a continued need for estimates of the SCC to use in benefit-cost analysis. After careful evaluation of the full range of comments and associated technical issues detailed below, the IWG continues to recommend the use of the 2013 SCC estimates in regulatory impact analysis until revisions based on the many thoughtful public comments we have received and the independent advice of the Academies [delete NRC] can be incorporated into the estimates. We believe the 2013 estimates continue to represent the best scientific information on the impacts of climate change available in a form appropriate for incorporating the damages from incremental CO2 emissions changes into regulatory analyses.

Thanks, Mary Ellen

**From:** Linn, Joshua [mailto:[EOP email/phone](#)]  
**Sent:** Tuesday, June 16, 2015 4:42 PM  
**To:** O'Connell, MaryEllen; Hodson, Elke; Kopits, Elizabeth  
**Subject:** announcement

Mary Ellen,

I just want to give you an update that the publication of the response to comments and the announcement of the NAS plan could happen as early as this Friday, but perhaps early next week. I'll let you know as soon as we set the date. Either way, there shouldn't be any substantive changes to the announcement from the version I sent you previously.

Do you have a sense of when we can expect the proposal and budget?

We are working on names ...

Josh



**To:** Shouse, Kate[Shouse.Kate@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Wed 6/17/2015 7:13:55 PM  
**Subject:** RE: OAR website  
website SCC Fact Sheet - v5 (06 16 15) \_ek.docx

Hi Kate,

**Ex 5** Attached are just a couple of non-critical edits to the fact sheet.

**From:** Shouse, Kate  
**Sent:** Tuesday, June 16, 2015 4:09 PM  
**To:** Kopits, Elizabeth; Marten, Alex  
**Subject:** OAR website

Thanks and no problem on the memo, you're not slowing me down on anything.

Another item that will need to be updated is the OAR SCC website. I shared some edits last month related to non-CO2; **Ex 5**

**Ex 5**

Please let me know if you'd like to review the attached; they both reference the NAS process (language from the desk statement). The attached file, "website SCC Fact Sheet..." gets converted to a PDF that is downloaded from the OAR SCC website. The attached file, "website update CO2 updates (06 16 15)" is the language on the OAR SCC website.

Thanks,  
Kate

**From:** Kopits, Elizabeth  
**Sent:** Tuesday, June 16, 2015 3:49 PM  
**To:** Shouse, Kate; Marten, Alex  
**Subject:** RE: footnote for HD2

**Ex 5** placement for the first footnote. I also forwarded this to our management. Not sure when they will look at it but will let you know if they have any comments.

Sorry I haven't gotten you comments on the memo yet. I have to leave soon but promise to finish it first thing in the morning.

Thanks,  
Elizabeth

**From:** Shouse, Kate  
**Sent:** Tuesday, June 16, 2015 2:18 PM  
**To:** Kopits, Elizabeth; Marten, Alex  
**Subject:** footnote for HD2

Hi – I've created a file with the latest SCC section from the HD2 preamble and added two redline footnotes flagging the TSD correction. The first footnote is in the SC-CO2 section and the second is in the non-CO2 section. Please let me know what you think and I'll circle back with OTAQ to discuss logistics of working this into the final package.

Thanks,  
Kate

**To:** ekopits: Personal cell/email  
**From:** Kopits, Elizabeth  
**Sent:** Fri 6/12/2015 2:26:39 PM  
**Subject:** Fwd: Landfills Emission Guidelines OMB Package  
[EO12866 LandfillsEG 2060 AS23 RIA 20150521\\_cm\\_ek.docx](#)  
[ATT00001.htm](#)  
[EO 12866 Landfills EG 2060 AS23 NPRM 20150522\\_preamblerule\\_ek.docx](#)  
[ATT00002.htm](#)

Sent from my iPhone

Begin forwarded message:

**From:** "Moore, Chris" <[Moore.Chris@epa.gov](mailto:Moore.Chris@epa.gov)>  
**To:** "Marsh, Karen" <[Marsh.Karen@epa.gov](mailto:Marsh.Karen@epa.gov)>, "Thundiyil, Karen" <[Thundiyil.Karen@epa.gov](mailto:Thundiyil.Karen@epa.gov)>  
**Cc:** "Kopits, Elizabeth" <[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)>, "Shouse, Kate" <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>, "Shadbegian, Ron" <[Shadbegian.Ron@epa.gov](mailto:Shadbegian.Ron@epa.gov)>, "Ferris, Ann" <[Ferris.Ann@epa.gov](mailto:Ferris.Ann@epa.gov)>  
**Subject:** RE: Landfills Emission Guidelines OMB Package

Karen and Karen,

Attached are comments from Elizabeth and me on the advance copies of the RIA and Preamble for the EG. Ann and Ron are still reviewing the employment section of the RIA and they'll send comments (if any) separately. We wanted to give you as much time with our comments as we could.

Thank you for giving us the package in advance so we can expedite things on our end when the time comes.

Chris

**From:** Marsh, Karen  
**Sent:** Friday, May 22, 2015 11:27 AM  
**To:** Thundiyil, Karen  
**Cc:** Moore, Chris; Kopits, Elizabeth  
**Subject:** FW: Landfills Emission Guidelines OMB Package

Karen,

FYI – This is the Emission Guidelines package submitted for OAR review. This is an advanced copy for your review so hopefully we can shorten the time needed before this goes to OMB. I don't think we have a set date for OMB right now since we need to see how extensive Janet McCabe's comments are. Let me know if you

have any questions.

Thanks,  
Karen

\*\*\*\*\*

Karen R. Marsh, PE

US EPA, OAQPS, Sectors Policies and Programs Division

Fuels and Incineration Group

109 TW Alexander Drive, Mail Code E143-05

Research Triangle Park, NC 27711

Direct: (919) 541-1065; email: [marsh.karen@epa.gov](mailto:marsh.karen@epa.gov)



**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Mon 6/8/2015 7:30:21 PM  
**Subject:** Re: shorter benefits discussion for Landfill EG preamble

So your edits will include NAS/tsd discussion etc to match proposed edits to landfill ria? Sounds great thanks!

Sent from my iPhone

On Jun 8, 2015, at 3:17 PM, "Shouse, Kate" <Shouse.Kate@epa.gov> wrote:

Great, thanks. I'll go ahead and update the O&G RIA this afternoon and will let you know once I'm done. Update should be limited to the numbers, given that we're less concerned about length in the RIA. I updated the numbers in the O&G preamble last week; it was supposed to have gone to Janet last week but I haven't heard whether it made it there or not. Am checking around to see where it is and whether I can shorten the O&G preamble section to be consistent with landfills EG preamble.

Just talked to Charlie and he has not yet received official word to update the landfills

**Ex 5**

**Ex 5**

The landfills RIA is updated (numbers and text), so will use that for comparison in updating the O&G RIA.

**From:** Kopits, Elizabeth  
**Sent:** Monday, June 08, 2015 3:02 PM  
**To:** Shouse, Kate; Marten, Alex  
**Subject:** RE: shorter benefits discussion for Landfill EG preamble

Alex and I were talking about that this morning. I was going to start reviewing the RIA , starting with benefits, earlier today but have gotten side tracked by Non-Responsive so now unfortunately I don't think I'll get to it till tomorrow. So it's up to you. If you do start editing it to match landfills then just give me a heads up before early tomorrow AM so that we don't duplicate efforts, and then I'll wait till we touch base in the morning before doing anything on that section.

Thanks!

Elizabeth

**From:** Shouse, Kate  
**Sent:** Monday, June 08, 2015 2:53 PM  
**To:** Kopits, Elizabeth; Marten, Alex  
**Subject:** FW: shorter benefits discussion for Landfill EG preamble

Also, regarding Alex Macpherson's questions on oil and gas RIA (email this morning):

**Ex 5**

I can update the numbers in the text. Please let me know if you want to review the RIA first or wait until I update the SCC portion.

Thanks,

Kate

**From:** Shouse, Kate  
**Sent:** Monday, June 08, 2015 2:43 PM  
**To:** Kopits, Elizabeth; Marten, Alex  
**Subject:** RE: shorter benefits discussion for Landfill EG preamble

Thanks, **Ex 5** I would go ahead and send to OAQPS; I could also send this to Charlie directly and ask him to review and add to the master file. As of mid-morning today, Charlie had heard informally about the update but was waiting for official word before making changes.

**From:** Kopits, Elizabeth  
**Sent:** Monday, June 08, 2015 2:25 PM  
**To:** Marten, Alex; Shouse, Kate  
**Subject:** RE: shorter benefits discussion for Landfill EG preamble

**Ex 5** thanks, Alex! Kate – I have added the two minor edits discussed below to Alex's version. See attached. Do you still want to give it another read? If not, do you think we should pass it along to OAQPS, or should we just hold on and wait till you are asked for it through the OAR chain? Last I talked to Alex B he was just trying again to get in touch with Peter (this morning) – not sure if it has happened yet.

Elizabeth

**From:** Marten, Alex  
**Sent:** Monday, June 08, 2015 2:17 PM  
**To:** Kopits, Elizabeth; Shouse, Kate  
**Subject:** RE: shorter benefits discussion for Landfill EG preamble

**Ex 5** I have a few minor suggestions in the attached.

**Ex 5**

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Kopits, Elizabeth  
**Sent:** Monday, June 08, 2015 1:04 PM  
**To:** Shouse, Kate; Marten, Alex  
**Subject:** RE: shorter benefits discussion for Landfill EG preamble

Thanks, Kate.

**Ex 5**

On #3, Alex will be sending the erratum to the journal when the RTC is released. So maybe easiest for now to just have that table footnote say see RIA for details, since that explains the sco2 correction at least. Then if the timing allows, it could be updated to reference the erratum while at OMB?

E.

**From:** Shouse, Kate

**Sent:** Monday, June 08, 2015 11:52 AM

**To:** Kopits, Elizabeth; Marten, Alex

**Subject:** RE: shorter benefits discussion for Landfill EG preamble

Thanks, Elizabeth. I need to run so haven't had a chance to go through in detail but

**Ex 5**

**Ex 5**

**Ex 5**

Also, on a practical note, do you have a timeline or placeholder title for the Marten et al erratum? E.g., Table 7 of the attached says “see <insert source here>...” Do you prefer to leave it as that or can we call it something like an erratum?

## Ex 5

Thanks,  
Kate

**From:** Kopits, Elizabeth  
**Sent:** Monday, June 08, 2015 10:52 AM  
**To:** Shouse, Kate; Marten, Alex  
**Cc:** McGartland, Al  
**Subject:** shorter benefits discussion for Landfill EG preamble

Hi Kate and Alex,

Here's my attempt at shortening the EG preamble discussion. I have it down to about 9 pages (starting on p. 207). Hopefully it is not too choppy, but let me know what you think.

## Ex 5

Thanks,  
Elizabeth

**To:** Marsh, Karen[Marsh.Karen@epa.gov]; Vetter, Rick[Vetter.Rick@epa.gov]; Thundiyil, Karen[Thundiyil.Karen@epa.gov]  
**Cc:** Ward, Hillary[Ward.Hillary@epa.gov]; Cozzie, David[Cozzie.David@epa.gov]; Fulcher, Charles[Fulcher.Charles@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]; Moore, Chris[Moore.Chris@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Tue 6/2/2015 3:32:10 PM  
**Subject:** RE: Landfills supplemental NSPS - SC-CH4 insert  
EO 12866 Landfills NSPS 2060 AM08 SUPP PROP 20150520\_ek.docx  
SC-CH4 NSPS Insert 060115\_ek.docx

Hi Karen et al.

My apologies yet again, but as I am reviewing the RIA (still the advance copy I believe), I

## Ex 5

I hope this helps. Please let me know if you would like to discuss.

Thanks!

Elizabeth

**From:** Marsh, Karen  
**Sent:** Monday, June 01, 2015 4:25 PM  
**To:** Kopits, Elizabeth; Vetter, Rick; Thundiyil, Karen  
**Cc:** Ward, Hillary; Cozzie, David; Fulcher, Charles; Shouse, Kate; Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills supplemental NSPS - SC-CH4 insert

Thanks Elizabeth. I'll get these changes incorporated.

\*\*\*\*\*

Karen R. Marsh, PE

US EPA, OAQPS, Sectors Policies and Programs Division

Fuels and Incineration Group

109 TW Alexander Drive, Mail Code E143-05

Research Triangle Park, NC 27711

Direct: (919) 541-1065; email: [marsh.karen@epa.gov](mailto:marsh.karen@epa.gov)

**From:** Kopits, Elizabeth

**Sent:** Monday, June 01, 2015 3:36 PM

**To:** Marsh, Karen; Vetter, Rick; Thundiyil, Karen

**Cc:** Ward, Hillary; Cozzie, David; Fulcher, Charles; Shouse, Kate; Moore, Chris; Marten, Alex

**Subject:** RE: Landfills supplemental NSPS - SC-CH4 insert

Hi Karen et al.,

Sorry for the multiple emails, but here is an update to the file I just sent you. It includes two more minor edits from Alex M.

Thanks!

Elizabeth

**From:** Kopits, Elizabeth

**Sent:** Monday, June 01, 2015 3:06 PM

**To:** Marsh, Karen; Vetter, Rick; Thundiyil, Karen

**Cc:** Ward, Hillary; Cozzie, David; Fulcher, Charles; Shouse, Kate; Moore, Chris; Marten, Alex

**Subject:** RE: Landfills supplemental NSPS - SC-CH4 insert

Hi Karen et al.,

I think this is a good length for the supplemental. Attached are some suggested edits that hopefully do not make it too much longer!

Please feel free to call me to discuss, or Kate and I can just iterate directly if that is easier (we are working together on the SCC/SCM section for a number of other rules anyway).

Thanks,

Elizabeth

Elizabeth Kopits, Ph.D.

National Center for Environmental Economics

Office of Policy, US EPA

1200 Pennsylvania Ave, NW, MC 1809T

Washington, DC 20460

(202) 566-2299

**From:** Marsh, Karen

**Sent:** Monday, June 01, 2015 1:31 PM



**To:** Vetter, Rick; Thundiyil, Karen; Kopits, Elizabeth  
**Cc:** Ward, Hillary; Cozzie, David; Fulcher, Charles; Shouse, Kate  
**Subject:** Landfills supplemental NSPS - SC-CH4 insert

Rick, Karen, and Elizabeth,

Attached for your review is language we intend to insert in the MSW Landfills NSPS Supplemental proposal related to the social-cost of methane. This text will go immediately following Table 1. Kate Shouse prepared the text and Charlie and I worked together to make a few minor edits, including:

Ex 5

Ex 5

Please review this text and let me know if you have any additional changes or edits and if this will suffice for discussion in the NSPS supplemental with further discussion available in the RIA.

Thanks,

Karen

\*\*\*\*\*

Karen R. Marsh, PE

US EPA, OAQPS, Sectors Policies and Programs Division

Fuels and Incineration Group

109 TW Alexander Drive, Mail Code E143-05

Research Triangle Park, NC 27711

Direct: (919) 541-1065; email: [marsh.karen@epa.gov](mailto:marsh.karen@epa.gov)

**To:** Moore, Chris[Moore.Chris@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Fri 5/29/2015 1:31:25 AM  
**Subject:** Re: Landfills NSPS Supplemental Proposal OMB Package

Great thanks!

Sent from my iPhone

On May 28, 2015, at 3:32 PM, "Moore, Chris" <[Moore.Chris@epa.gov](mailto:Moore.Chris@epa.gov)> wrote:

Hi Elizabeth,

I'll review the RIA tomorrow so you can have my comments (if any) when you review on Monday.

Chris

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 28, 2015 2:43 PM  
**To:** Thundiyil, Karen; Barron, Alex  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Hi Alex et al.,

**Ex 5**

**Ex 5**

## Ex 5

Also, I have not had a chance to review the advance copy of the combined NSPS/EG RIA – will get to that on Monday.

Hope this helps for now.

Thanks!

Elizabeth

**From:** Thundiyil, Karen  
**Sent:** Wednesday, May 27, 2015 2:52 PM  
**To:** Kopits, Elizabeth  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

There's a benefits section (~p16), there are just no monetized benefits, as far as I see.

Ex 5

# Non-Responsive

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 27, 2015 2:44 PM

**To:** Thundiyil, Karen  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Thanks, Karen.

**Ex 5**

**Non-Responsive**

Thanks,

Elizabeth

**From:** Thundiyil, Karen  
**Sent:** Wednesday, May 27, 2015 2:26 PM  
**To:** Kopits, Elizabeth  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Here's the revised FRN – Federal Register Notice.

**Ex 5**

Separately,

**Non-Responsive**  
**Non-Responsive**

Karen.

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 27, 2015 10:07 AM  
**To:** Thundiyil, Karen  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Oops- sorry, I just realized that the docs Karen M sent last Friday were all for the EG. Can you send me the latest NSPS preamble, so I can take a look?

Thanks,  
Elizabeth

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 27, 2015 10:05 AM  
**To:** Thundiyil, Karen  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Hi Karen,

FRN? Do you mean the supplemental proposal for the NSPS? Is it the same as the advance copy we got from Karen Marsh on Friday (11:27am email), or have they now incorporated all of Janet's comments?

Do you have the EG preamble and the combined NSPS/EG RIA yet?

Thanks,

Elizabeth

**From:** Thundiyil, Karen  
**Sent:** Tuesday, May 26, 2015 3:26 PM  
**To:** Kopits, Elizabeth  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Hi Elizabeth,

The latest FRN from OAR is here. Have you heard back from Alex B on this issue?

I'll start the package review and will use the econ writeup that Chris provided.

Let me know – thanks!

Karen.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 21, 2015 11:44 AM  
**To:** Thundiyil, Karen  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Thanks, Karen. Alex B did not respond to that email, but he is aware of the issue and we are working on some language on climate benefits that will likely need to be added to several regs in the pipeline, including this one. So he is well aware that some edits will be

needed before anything goes to OMB.

**From:** Thundiyil, Karen  
**Sent:** Thursday, May 21, 2015 8:51 AM  
**To:** Kopits, Elizabeth  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

I think your idea of making the comment, and providing language, when the package gets to OP for review is a good path forward. Then, we can make sure the OP IO is aware.

Did Barron respond to your cc:? I gave my management a heads up, but I haven't heard anything. Then again, I was out yesterday.

Karen.

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 20, 2015 2:50 PM  
**To:** Thundiyil, Karen  
**Cc:** Moore, Chris; Marten, Alex  
**Subject:** FW: Landfills NSPS Supplemental Proposal OMB Package

Hi Karen,

**Ex 5**

Happy to discuss further on Thursday if that is helpful.

Thanks,

Elizabeth

**From:** Marsh, Karen

**Sent:** Wednesday, May 20, 2015 1:02 PM

**To:** Thundiyil, Karen

**Cc:** Ward, Hillary; Moore, Chris; Kopits, Elizabeth

**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Karen,

**Ex 5**

**Ex 5**



Please let me know if you have any further comments related to the benefits discussion.

Thanks,

Karen

\*\*\*\*\*

Karen R. Marsh, PE

US EPA, OAQPS, Sectors Policies and Programs Division

Fuels and Incineration Group

109 TW Alexander Drive, Mail Code E143-05

Research Triangle Park, NC 27711

Direct: (919) 541-1065; email: [marsh.karen@epa.gov](mailto:marsh.karen@epa.gov)

**From:** Thundiyil, Karen

**Sent:** Tuesday, May 19, 2015 1:30 PM

**To:** Marsh, Karen

**Cc:** Ward, Hillary; Moore, Chris; Kopits, Elizabeth

**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Hi Karen,

Thanks a lot for responding to the comments/questions. I don't have any immediate questions.

If OAR IO has changes, would you please let us know?

FYI, I'm going to be out all of tomorrow/Wednesday, but back for the rest of the week. Assuming I get notice about any changes, I'll turn the package around to my management for OMB transmittal in short order. Are you around on Thursday/Friday if questions come up?

Karen.

**From:** Marsh, Karen  
**Sent:** Tuesday, May 19, 2015 1:04 PM  
**To:** Thundiyil, Karen  
**Cc:** Ward, Hillary; Moore, Chris; Kopits, Elizabeth  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Karen,

Attached are our responses to the comments OP provided in advance of receiving the official version from OAR. Where appropriate, these changes have already been made in the version you should receive from OAR directly.

Non-Responsive

Non-Responsive

Please let me know if you would like to discuss any of our responses.

Thanks,  
Karen

\*\*\*\*\*

Karen R. Marsh, PE

US EPA, OAQPS, Sectors Policies and Programs Division

Fuels and Incineration Group

109 TW Alexander Drive, Mail Code E143-05

Research Triangle Park, NC 27711

Direct: (919) 541-1065; email: [marsh.karen@epa.gov](mailto:marsh.karen@epa.gov)

**From:** Thundiyil, Karen  
**Sent:** Monday, May 18, 2015 11:53 AM  
**To:** Marsh, Karen  
**Cc:** Ward, Hillary; Moore, Chris; Kopits, Elizabeth  
**Subject:** RE: Landfills NSPS Supplemental Proposal OMB Package

Thanks for sharing, Karen. I had some minor comments. See the attachment. What kind of comments did you get from OAR IO?

What's the timing for the EG package? When do you think you will send the NSPS package for OMB transmittal?

Talk to you later,

Karen.

**From:** Marsh, Karen  
**Sent:** Thursday, May 14, 2015 12:52 PM  
**To:** Thundiyil, Karen; Moore, Chris; Kopits, Elizabeth  
**Cc:** Ward, Hillary  
**Subject:** FW: Landfills NSPS Supplemental Proposal OMB Package

Karen, Chris, and Elizabeth,

Attached is an advanced copy of the NSPS Supplemental Proposal for Landfills as submitted for OAR today. Please let me know if you have any questions.

Thanks,

Karen

\*\*\*\*\*

Karen R. Marsh, PE

US EPA, OAQPS, Sectors Policies and Programs Division

Fuels and Incineration Group

109 TW Alexander Drive, Mail Code E143-05

Research Triangle Park, NC 27711

Direct: (919) 541-1065; email: [marsh.karen@epa.gov](mailto:marsh.karen@epa.gov)

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Tue 5/26/2015 4:43:56 PM  
**Subject:** RE: HD GHG Phase 2 Preamble Section 9 for SCC update  
HD2 Preamble P09 Economic and Other Impacts\_ek.docx

Kate and Alex,

**Ex 5**

Thanks,

Elizabeth

**From:** Kopits, Elizabeth  
**Sent:** Tuesday, May 26, 2015 12:27 PM  
**To:** Yanca, Catherine; Shouse, Kate  
**Subject:** RE: HD GHG Phase 2 Preamble Section 9 for SCC update

Thanks! Ex 5 If there are any numbers in an earlier intro section can you send me that too?

Also, do you have a copy of the full RIA? I only have an old version of chapter 8, but it would be good to have the whole thing – including any ES if there is one.

Thanks again!

Elizabeth

**From:** Yanca, Catherine  
**Sent:** Tuesday, May 26, 2015 11:25 AM  
**To:** Shouse, Kate; Kopits, Elizabeth  
**Subject:** HD GHG Phase 2 Preamble Section 9 for SCC update

Here's the latest version of the preamble section on costs, benefits, etc for the additional text on SCC.

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Thur 5/21/2015 3:47:51 PM  
**Subject:** RE: this is what I was thinking of earlier re: discounting

+ Alex M.

## Ex 5

**From:** Shouse, Kate  
**Sent:** Thursday, May 21, 2015 11:16 AM  
**To:** Kopits, Elizabeth  
**Subject:** this is what I was thinking of earlier re: discounting

<http://www.cato.org/blog/example-abuse-social-cost-carbon>

A little over halfway down the page, they include a screenshot of the proposal to regulate discharges from steam electric plants.

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Thur 5/21/2015 3:47:51 PM  
**Subject:** RE: this is what I was thinking of earlier re: discounting

+ Alex M.

## Ex 5

**From:** Shouse, Kate  
**Sent:** Thursday, May 21, 2015 11:16 AM  
**To:** Kopits, Elizabeth  
**Subject:** this is what I was thinking of earlier re: discounting

<http://www.cato.org/blog/example-abuse-social-cost-carbon>

A little over halfway down the page, they include a screenshot of the proposal to regulate discharges from steam electric plants.



**To:** Harvey, Alecia[Harvey.Alecia@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Wed 5/20/2015 7:16:10 PM  
**Subject:** Re: DOE-Decision Memo on the NAS/NRC review

Yes, annual is totally fine. Thanks.

Sent from my iPhone

On May 20, 2015, at 3:02 PM, "Harvey, Alecia" <[Harvey.Alecia@epa.gov](mailto:Harvey.Alecia@epa.gov)> wrote:

I selected annual re progress reports because I figured you all would be in off and on contact with throughout this agreement.

Is that okay?

If it is, I will be able to push the Decision Memo forward once the Commitment Notices are approved.

Thanks

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 20, 2015 3:00 PM  
**To:** Harvey, Alecia  
**Cc:** Marten, Alex  
**Subject:** RE: DOE-Decision Memo on the NAS/NRC review

Hi Alecia –

**Ex 5**

Please let me know if there is anything I missed.

Thanks,

Elizabeth

**From:** Harvey, Alecia  
**Sent:** Wednesday, May 20, 2015 12:55 PM  
**To:** Kopits, Elizabeth  
**Cc:** Marten, Alex  
**Subject:** FW: DOE-Decision Memo on the NAS/NRC review

**From:** Snyder, Brett  
**Sent:** Wednesday, May 20, 2015 11:02 AM  
**To:** Harvey, Alecia; Kok, Nancy  
**Subject:** DOE-Decision Memo on the NAS/NRC review

Hi – here is a start to answer some of the questions from Nancy

-----Original Message-----

From: Kok, Nancy  
Sent: Wednesday, May 20, 2015 10:27 AM  
To: Harvey, Alecia  
Cc: Snyder, Brett  
Subject: DM for DOE-National Academy of Science

Hi Alecia,

I reviewed the DM, and here are my comments. I've also cc'd Brett on this email, as I have a couple of questions for him.

-Question C.4 & C.5: Do you have this information? If so, please complete.

C.4 = DUNS:

**Non-Responsive**

C.5 = EIN: ?? (hopefully either Leon knows, or can get from DOE contacts)

-Question D.3: Could you revise this answer to the following from the final workplan: "To inform future revisions to the SCC estimates, this interagency agreement (IA) between EPA and DOE (along with IAs between DOE and other Federal agencies contributing to the funding of this project) will result in a study that examines the merits and challenges of potential approaches for both near-term narrow updates and longer-term comprehensive updates to ensure that the SCC estimates used by the federal government continue to reflect the best available science and methods." Agree

-Question D.4: Please spell out NRC (since I took it out of Question D.3) -Question D.5: Please replace NAS with NRC and add the following sentence:

**Ex 5**

**Ex 5**

NRC = National Research Council

-Question E.9: Please answer

**Ex 5**

**Ex 5**

-Question E.10: Please enter DOE's Treasury Account Symbol ?? (hopefully either Leon knows, or can get from DOE contacts)

-Question F.1: Please answer

**Ex 5**

-Question F.2: Please answer

**Ex 5**

**Ex 5**

-Question G.1: Brett, will this project generate environmental data or use existing data?

**Ex 5**

-Question G.5: Brett, do you know if we are using multiple appropriations for this project?

**Ex 5**

**Ex 5**

-Question G.6: Should be Yes since we are using "B" appropriation?

**Ex 5**

**Ex 5**

-Question G.9: Please enter progress report frequency. Would that be Annual? **Ex 5**

**Ex 5**

-Section L: Brett, will you be signing the DM on behalf of AI as the Recommending Official? The Approval Official should be Andy Teplitzky. Yes, I can do so. Since I am listed as a Delegate, guess my signing will effectively take care of this?

-Section N: Please attach scope of work after it has been signed by both parties. Agree

Please let me know if you have any questions.

Thanks!

Nancy Kok

Office of Policy

U.S. Environmental Protection Agency

1200 Pennsylvania Avenue, NW, 1805T

Washington, DC 20460

(202) 564-6064 (ph)

(202) 566-3001 (fax)

[Kok.Nancy@epa.gov](mailto:Kok.Nancy@epa.gov)

**To:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]  
**Cc:** Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]; Weitz, Melissa[Weitz.Melissa@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Mon 5/18/2015 4:13:10 PM  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Let me know if it would be helpful for us to flag to OP management as well!

**From:** Macpherson, Alex  
**Sent:** Monday, May 18, 2015 11:23 AM  
**To:** Shouse, Kate; Marten, Alex  
**Cc:** Kopits, Elizabeth; Ragnauth, Shaun; Weitz, Melissa  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Fyi..trying to get feedback from OAR front office on timing

**From:** Shouse, Kate  
**Sent:** Monday, May 18, 2015 11:12 AM  
**To:** Marten, Alex  
**Cc:** Kopits, Elizabeth; Ragnauth, Shaun; Weitz, Melissa; Macpherson, Alex  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Hi, everyone.

Ex 5

**Ex 5**

Not clear yet whether OAR has passed along comments or if there's still time for us to do so. I will at least add a comment asking how they did the calculation, noting the significance of the emission year and recommending the text clarify.

Thanks  
Kate

**From:** Marten, Alex  
**Sent:** Monday, May 18, 2015 9:23 AM  
**To:** Shouse, Kate  
**Cc:** Kopits, Elizabeth  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

I don't think anyone here has reviewed the SCC section. Are you planning on taking a look?

Ex 5

Ex 5

Ex 5

I can check to see where comments are at.

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Shouse, Kate  
**Sent:** Monday, May 18, 2015 8:44 AM  
**To:** Marten, Alex  
**Cc:** Kopits, Elizabeth  
**Subject:** FW: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Hi, Alex. I think you mentioned this DOT proposal earlier; did you or anyone else in OP have a chance to comment on the attached RIA? It was just flagged for me this morning but I assume someone has already reviewed the SCC-relevant section.

Thanks,

Kate

**From:** Ragnauth, Shaun  
**Sent:** Monday, May 18, 2015 8:37 AM  
**To:** Shouse, Kate  
**Cc:** Weitz, Melissa; Macpherson, Alex  
**Subject:** FW: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Kate, flagging this for you – they are using a GWP weighted SCC value for RIA benefits and taking an NPV of the SCC.

Shaun

**From:** Weitz, Melissa  
**Sent:** Friday, May 15, 2015 4:44 PM  
**To:** Waltzer, Suzanne; Moore, Bruce; McKittrick, Alexis; Ragnauth, Shaun  
**Cc:** Macpherson, Alex; Cozzie, David; Eck, Janet; DeFigueiredo, Mark  
**Subject:** RE: Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Just one question/comment on CH4 data, below.

Ex 5

In my comment below, I'm assuming that 25 is the GWP of CH4 and is not representing some other factor that's applied to social cost of carbon. I don't know enough about social cost of methane and social cost of carbon to know if they are calculating this correctly, or if my comment makes sense.

Shaun, can you take a look at this?



# Ex 5

**From:** InteragencyReviews

**Sent:** Thursday, May 14, 2015 10:09 AM

**To:** Farrar, Wanda; Eagles, Tom; Morgan, Ruthw

**Cc:** Rush, Alan; InteragencyReviews

**Subject:** Q re Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

Good morning Wanda, Tom, and Ruth:

A couple OP folks are reviewing the subject action and may have comments. They are wondering if anyone in OAR is also working on it, so they can discuss and coordinate on any response. If OAR staff are reviewing, please let me know who so I can put them in touch with OP's reviewers.

Thanks,

--Stuart

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Stuart Miles-McLean | Office of Regulatory Policy & Management | Office of Policy | Office of the Administrator

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**From:** InteragencyReviews

**Sent:** Wednesday, April 29, 2015 3:08 PM

**To:** RSC Core; RSC Regions Core

**Cc:** Hanley, Mary; Tulis, Dana; Balserak, Paul; Bromm, Susan; Cristofaro, Alexander; Hessert, Aimee; InteragencyReviews; Kime, Robin; Rader, Cliff; Rees, Sarah

**Subject:** RSC Distribution: Action Item - DOT NPRM for EPA Review: "Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines"

For comment by COB Thursday, 05/14.

These interagency review documents are deliberative and pre-decisional and may not be shared or discussed with anyone outside of the Executive Branch.

Attached for EO 12866 / 13563 interagency review and comment is a proposed rule from DOT's Pipeline and Hazardous Materials Safety Administration entitled "***Pipeline Safety: Safety of Gas Transmission and Gathering Pipelines.***"

**Ex 5**

# Ex 5

## Process Notes

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- To facilitate preparation of the Agency's response, please either use "Track Changes" (i.e., redline/strikeout) to directly insert your comments into the text of the attached file(s), or for general comments/concerns/observations, insert a new blank page at the beginning of the file and use that page for your general comments. Your comments do not need documented management approval, but are generally assumed to represent the views of the commenting AA-ship or RA-ship.
- Please submit comments via your Regulatory Steering Committee (RSC) Representative, or Regional Regulatory Contact (RRC). RSC Reps and RRC's should email comments to our proxy mailbox, Ex 5 or post comments in the RSC Team Room.

- If review of the action gives rise to substantive/technical comments from multiple offices, it is typical for one office with subject matter expertise to volunteer to coordinate the preparation of the Agency's response. In some cases, if no office volunteers to take the lead, OP may ask the commenting offices to work together to reconcile and compile their comments in order to ensure the commenters' intentions are not misinterpreted or misconstrued. If more time is necessary to accomplish this internal collaborative step, OP may seek additional time from OMB for the Agency to complete its review.

Please follow the doclink->[Notes Link](#)

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**Stuart Miles-McLean** | Office of Regulatory Policy & Management | Office of Policy | Office of the Administrator

202.564.6581 | 3512J WJC North | Mail Code 1803 | 1200 Pennsylvania Avenue NW | Washington, DC 20460

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[1] See, e.g., the Corporate Average Fuel Economy (CAFE) rulemaking, [http://www.nhtsa.gov/staticfiles/rulemaking/pdf/cafe/FRIA\\_2017-2025.pdf](http://www.nhtsa.gov/staticfiles/rulemaking/pdf/cafe/FRIA_2017-2025.pdf)

**To:** Beauvais, Joel[Beauvais.Joel@epa.gov]; Barron, Alex[Barron.Alex@epa.gov]; McGartland, Al[McGartland.Al@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Thur 5/14/2015 4:14:32 PM  
**Subject:** draft Q&A on SCC RTC and TSD  
[QA OMB RTC\\_clean.docx](#)

Hi Joel, Alex B, and Al,

Attached are some draft Q&A on the RTC and TSD that Kate, Alex M and I have developed. They touch on the NAS review but we will draft a few more specifically about that, since that will likely be useful too even if it ends up in a separate section/document.

Allen is reviewing this concurrently with you.

I am still working on the desk statement (may need more than one), but will try to send you a draft of that soon too.

Thanks,  
Elizabeth

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Thur 5/14/2015 4:10:29 PM  
**Subject:** RE: Q&As on the RTC  
QA OMB RTC\_clean.docx

Great. Here is a clean copy, except with a couple of comment bubbles remaining. I will send to our management indicating that Allen is doing concurrent review. I will also mention that we may develop some more Q&A on the NAS review, even if it is kept in a separate document.

Elizabeth

**From:** Shouse, Kate  
**Sent:** Thursday, May 14, 2015 12:05 PM  
**To:** Kopits, Elizabeth  
**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

**Ex 5**

verified that the form letters/signatures are in the docket. I'll need to send to Allen but he's fine doing a review concurrent with OP management.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 14, 2015 10:51 AM  
**To:** Shouse, Kate  
**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

With the attachment.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 14, 2015 10:50 AM  
**To:** Shouse, Kate

**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

P.S. Kate – Here is a slightly updated version, incorporating a comment from Alex. I deleted the “based on the comments received” from Q11.

Also, Alex is going to send me the draft Q&A you all developed a few months ago on NAS. I think we may want to add some questions on that to this document, perhaps in a separate section.

As for the desk statement, we may need more than 1. Working on that.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 14, 2015 10:34 AM  
**To:** Shouse, Kate  
**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

Hi Kate – Thanks so much for starting these! Here are some edits from Alex M and me. Let me know what you think.

Alex – please chime in if you disagree with any of the changes I made this morning.

I think we will also need a short desk statement. I can try to take a crack at that in a little bit. Will also try to look at the HD2 Q&A you sent yesterday.

Thanks,

Elizabeth

**From:** Marten, Alex  
**Sent:** Wednesday, May 13, 2015 6:13 PM  
**To:** Kopits, Elizabeth  
**Subject:** RE: Q&As on the RTC

## Ex 5

--

Alex L. Marten  
phone: (202) 566-2301  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 13, 2015 3:09 PM  
**To:** Marten, Alex  
**Subject:** FW: Q&As on the RTC

This is what I have so far. Will get back to it in the AM, so if you do anything on it before then please send back your edits so I can be working off the latest version. Thanks!

**From:** Shouse, Kate  
**Sent:** Wednesday, May 13, 2015 1:04 PM  
**To:** Kopits, Elizabeth  
**Cc:** Marten, Alex; Fawcett, Allen  
**Subject:** Q&As on the RTC

Hi, Elizabeth. Please find attached a rough draft of Q&As on the OMB RTC, which does not yet reflect input from Allen or other in OAR (I think better to complete at staff level). The Q&As are heavy on big picture/process/what's next. I did not include any about the technical content of the comments, e.g., what does the RTC say about ECS or global or discounting. If you think that's the kind of thing they're looking for, let me know and I'll draft some this afternoon (I've suggested a few sample questions in the attached that I can finish).

Also, I left the methane section in as an FYI. I ran out of time but will finish it this afternoon; this section is really for OTAQ and will cover questions about how we handled methane in



HD2. Not sure we need that in this broader Q&A.

Thanks,  
Kate

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Thur 5/14/2015 2:51:03 PM  
**Subject:** RE: Q&As on the RTC  
2015 05 13 QA OMB RTC v2 ek alm ek.docx

With the attachment.

**From:** Kopits, Elizabeth  
**Sent:** Thursday, May 14, 2015 10:50 AM  
**To:** Shouse, Kate  
**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

P.S. Kate – Here is a slightly updated version, incorporating a comment from Alex. I deleted the “based on the comments received” from Q11.

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**Sent:** Thursday, May 14, 2015 10:34 AM  
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**Cc:** Marten, Alex  
**Subject:** RE: Q&As on the RTC

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Alex – please chime in if you disagree with any of the changes I made this morning.

I think we will also need a short desk statement. I can try to take a crack at that in a little bit. Will also try to look at the HD2 Q&A you sent yesterday.

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Thur 5/14/2015 2:51:03 PM  
**Subject:** RE: Q&As on the RTC  
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With the attachment.

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**Sent:** Thursday, May 14, 2015 10:50 AM  
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**Subject:** RE: Q&As on the RTC

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**To:** Shouse, Kate  
**Cc:** Marten, Alex  
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Thanks,

Elizabeth

**From:** Marten, Alex  
**Sent:** Wednesday, May 13, 2015 6:13 PM  
**To:** Kopits, Elizabeth  
**Subject:** RE: Q&As on the RTC

## Ex 5

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 13, 2015 3:09 PM  
**To:** Marten, Alex  
**Subject:** FW: Q&As on the RTC

This is what I have so far. Will get back to it in the AM, so if you do anything on it before then please send back your edits so I can be working off the latest version. Thanks!

**From:** Shouse, Kate  
**Sent:** Wednesday, May 13, 2015 1:04 PM  
**To:** Kopits, Elizabeth  
**Cc:** Marten, Alex; Fawcett, Allen  
**Subject:** Q&As on the RTC

Thanks,

Elizabeth

**From:** Marten, Alex  
**Sent:** Wednesday, May 13, 2015 6:13 PM  
**To:** Kopits, Elizabeth  
**Subject:** RE: Q&As on the RTC

## Ex 5

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, May 13, 2015 3:09 PM  
**To:** Marten, Alex  
**Subject:** FW: Q&As on the RTC

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**From:** Shouse, Kate  
**Sent:** Wednesday, May 13, 2015 1:04 PM  
**To:** Kopits, Elizabeth  
**Cc:** Marten, Alex; Fawcett, Allen  
**Subject:** Q&As on the RTC

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Thanks,  
Kate

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Thanks,  
Kate

**To:** Harvey, Alecia[Harvey.Alecia@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Tue 5/12/2015 1:08:21 PM  
**Subject:** RE: SOW outline and samples  
[IA Statement of Work 5 12 2015\\_clean.docx](#)

OK. Here is a clean version - just missing signatures. Working on getting it signed.

Elizabeth

-----Original Message-----

From: Harvey, Alecia  
Sent: Tuesday, May 12, 2015 8:59 AM  
To: Kopits, Elizabeth  
Subject: RE: SOW outline and samples

Please send me the SOW when its ready to be attached to the decision memorandum. Thanks

-----Original Message-----

From: Kopits, Elizabeth  
Sent: Monday, May 11, 2015 11:36 AM  
To: Kok, Nancy; Harvey, Alecia  
Cc: Levitt, Shelley; Snyder, Brett; Marten, Alex; McGartland, Al  
Subject: RE: SOW outline and samples

Hi Nancy,

Here are some edits to address your comments. Please let me know if they are about what you had in mind, and please feel free to call me if it is easier to walk through it by phone. My phone is now working again!

In the meantime, I will try to find out who the DOE authorizing official should be.

Thanks,  
Elizabeth

Elizabeth Kopits, Ph.D.  
National Center for Environmental Economics  
Office of Policy, US EPA  
1200 Pennsylvania Ave, NW, MC 1809T  
Washington, DC 20460  
(202) 566-2299

-----Original Message-----

From: Kok, Nancy  
Sent: Monday, May 11, 2015 9:26 AM  
To: Kopits, Elizabeth; Harvey, Alecia  
Cc: Levitt, Shelley; Snyder, Brett; Marten, Alex; McGartland, Al  
Subject: RE: SOW outline and samples



Hi Elizabeth,

Sorry I had a couple of meetings on Friday so I did not have a chance to get back to you earlier. I have re-attached the SOW with my comments. Also I've attached a chart on IA Statutory Authority. As

# Ex 5

If you have any questions, please feel free to contact me.

Thanks!

Nancy Kok  
Office of Policy  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW, 1805T  
Washington, DC 20460  
(202) 564-6064 (ph)  
(202) 566-3001 (fax)  
Kok.Nancy@epa.gov

---

From: Kopits, Elizabeth  
Sent: Thursday, May 7, 2015 2:27 PM  
To: Kok, Nancy; Harvey, Alecia  
Cc: Levitt, Shelley; Snyder, Brett; Marten, Alex; McGartland, Al  
Subject: RE: SOW outline and samples

Hi Nancy and Alecia,

Attached is a draft SOW. I tried to generally follow the sample ones you sent, but please let me know if you need more/less in any parts. I leave at 3 today and am out of the office tomorrow, but we definitely want to keep this moving, so please feel free to email or call my cell ( Personal cell/email ) if you have any immediate questions. Otherwise I will check in with you on Monday.

Thanks!  
Elizabeth

-----Original Message-----

From: Kok, Nancy  
Sent: Wednesday, May 06, 2015 4:16 PM  
To: Levitt, Shelley; Harvey, Alecia; Snyder, Brett; Kopits, Elizabeth; Marten, Alex; McGartland, Al  
Subject: SOW outline and samples

Hi all,

I've attached an IA scope of work outline and two sample SOWs. Alecia is working on getting an updated

IAA justification form. The Contracts Office was working on revising the form last December, but I'm not sure if it has been finalized yet.

Alecia also started the electronic Decision Memorandum in IGMS (Integrated Grants Management System). Thanks Alecia!

Please let me know if you have any questions.

Thanks,  
Nancy Kok  
Office of Policy  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW, 1805T  
Washington, DC 20460  
(202) 564-6064 (ph)  
(202) 566-3001 (fax)  
Kok.Nancy@epa.gov

**To:** Kok, Nancy[Kok.Nancy@epa.gov]; Harvey, Alecia[Harvey.Alecia@epa.gov]  
**Cc:** Levitt, Shelley[Levitt.Shelley@epa.gov]; Snyder, Brett[Snyder.Brett@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; McGartland, Al[McGartland.Al@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Mon 5/11/2015 3:36:20 PM  
**Subject:** RE: SOW outline and samples  
[Statement of Work nk 5 11 2015\\_ek.docx](#)

Hi Nancy,

Here are some edits to address your comments. Please let me know if they are about what you had in mind, and please feel free to call me if it is easier to walk through it by phone. My phone is now working again!

In the meantime, I will try to find out who the DOE authorizing official should be.

Thanks,  
Elizabeth

Elizabeth Kopits, Ph.D.  
National Center for Environmental Economics  
Office of Policy, US EPA  
1200 Pennsylvania Ave, NW, MC 1809T  
Washington, DC 20460  
(202) 566-2299

-----Original Message-----

From: Kok, Nancy  
Sent: Monday, May 11, 2015 9:26 AM  
To: Kopits, Elizabeth; Harvey, Alecia  
Cc: Levitt, Shelley; Snyder, Brett; Marten, Alex; McGartland, Al  
Subject: RE: SOW outline and samples

Hi Elizabeth,

Sorry I had a couple of meetings on Friday so I did not have a chance to get back to you earlier. I have re-attached the SOW with my comments. Also I've attached a chart on IA Statutory Authority. As mentioned in our meeting last week, we want to avoid using the Economy Act as the statutory authority. There are issues with using expiring funds and the Economy Act. In order to use the Cooperation Authority, such as the Clean Air Act, we will need to demonstrate that DOE has a substantial interest in the project. I recommend highlighting DOE's involvement more in the SOW. Furthermore, although I didn't mention in my comments, if you could also emphasize the importance of the final product (the final report) in the project, that is important in determining whether there are severable vs. non-severable services (i.e., whether funding can be used beyond the period of obligation).

If you have any questions, please feel free to contact me.

Thanks!

Nancy Kok  
Office of Policy

U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW, 1805T  
Washington, DC 20460  
(202) 564-6064 (ph)  
(202) 566-3001 (fax)  
Kok.Nancy@epa.gov

---

From: Kopits, Elizabeth  
Sent: Thursday, May 7, 2015 2:27 PM  
To: Kok, Nancy; Harvey, Alecia  
Cc: Levitt, Shelley; Snyder, Brett; Marten, Alex; McGartland, Al  
Subject: RE: SOW outline and samples

Hi Nancy and Alecia,

Attached is a draft SOW. I tried to generally follow the sample ones you sent, but please let me know if you need more/less in any parts. I leave at 3 today and am out of the office tomorrow, but we definitely want to keep this moving, so please feel free to email or call my cell **Ex 6 - Other** if you have any immediate questions. Otherwise I will check in with you on Monday.

Thanks!  
Elizabeth

-----Original Message-----

From: Kok, Nancy  
Sent: Wednesday, May 06, 2015 4:16 PM  
To: Levitt, Shelley; Harvey, Alecia; Snyder, Brett; Kopits, Elizabeth; Marten, Alex; McGartland, Al  
Subject: SOW outline and samples

Hi all,

I've attached an IA scope of work outline and two sample SOWs. Alecia is working on getting an updated IAA justification form. The Contracts Office was working on revising the form last December, but I'm not sure if it has been finalized yet.

Alecia also started the electronic Decision Memorandum in IGMS (Integrated Grants Management System). Thanks Alecia!

Please let me know if you have any questions.

Thanks,  
Nancy Kok  
Office of Policy  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW, 1805T  
Washington, DC 20460  
(202) 564-6064 (ph)  
(202) 566-3001 (fax)  
Kok.Nancy@epa.gov

**To:** Shouse, Kate[Shouse.Kate@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Gordon, Jessica M[Gordon.Jessica@epa.gov]  
**Cc:** Sarofim, Marcus[Sarofim.Marcus@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Tue 5/5/2015 5:48:55 PM  
**Subject:** RE: NEPA: scoping memo for North Fork/Colorado  
North fork roadless scoping (05 01 15) (ks) ek.docx

Hi Kate,

Thanks for sending this. We are totally fine with you being the point of contact. Here are just a couple of edits from Alex and me. (For some reason my edits are showing up in the same color as yours, so let me know if you have a hard time finding them.) I am around till 3 if you'd like to discuss at all.

Thanks!

Elizabeth

**From:** Shouse, Kate  
**Sent:** Tuesday, May 05, 2015 10:48 AM  
**To:** Marten, Alex; Gordon, Jessica M; Kopits, Elizabeth  
**Cc:** Sarofim, Marcus; Fawcett, Allen  
**Subject:** NEPA: scoping memo for North Fork/Colorado

Hi, everyone. This message is mostly an FYI but I welcome input if you are able to do so. EPA Region 8 (Dana Allen) and OECA HQ (Elaine Suriano) reached out to OAR for information on SCC. EPA R8 is providing comments to Forest Service on the scope of a Supplemental Environmental Impact Statement (SEIS) for the North Fork Coal Mining Area (aka part of the Colorado Roadless Rule). Dana reports that the project would have CO2 and CH4 impacts and

**Ex 5**

**Ex 5**

**Ex 5**

I'm fine with them

including my name as a point of contact (and would keep all of you in the loop regarding Forest Service follow up) but if you prefers to list OP (or to not list anyone), just let me know.

Thanks,  
Kate

**To:** Jenkins, Robin[Jenkins.Robin@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Mon 5/4/2015 3:21:05 PM  
**Subject:** RE: social cost of methane

Thanks! I am just going to be part time for the month of May to help ease the transition.  
Hopefully I will at least make it through my emails within a couple of days. ☺

**From:** Jenkins, Robin  
**Sent:** Monday, May 04, 2015 11:18 AM  
**To:** Kopits, Elizabeth; Marten, Alex  
**Subject:** RE: social cost of methane

Thank you. And welcome back Elizabeth!

Robin

**From:** Kopits, Elizabeth  
**Sent:** Monday, May 04, 2015 11:16 AM  
**To:** Jenkins, Robin; Marten, Alex  
**Subject:** RE: social cost of methane

Alex- didn't you say that the HDV2 rule is already over at OMB?

Ex 5

**Ex 5**

Elizabeth

**From:** Jenkins, Robin  
**Sent:** Monday, May 04, 2015 11:12 AM  
**To:** Marten, Alex  
**Cc:** Kopits, Elizabeth  
**Subject:** RE: social cost of methane

PHMSA

**From:** Marten, Alex  
**Sent:** Monday, May 04, 2015 11:11 AM  
**To:** Jenkins, Robin  
**Cc:** Kopits, Elizabeth  
**Subject:** RE: social cost of methane

Do you know what office in DOT is writing the rule?

--

Alex L. Marten  
phone: (202) 566-2301  
email: marten.alex@epa.gov

**From:** Jenkins, Robin  
**Sent:** Monday, May 04, 2015 11:07 AM  
**To:** Marten, Alex  
**Subject:** social cost of methane

Alex,

I'm looking at a DoT rule on pipeline safety that will prevent natural gas leaks. They are valuing methane emissions as 25 times the SCC - they cite the NHTSA CAFE rule. Ex 5



# Ex 5

Marten, Alex L., and Stephen C. Newbold. "Estimating the social cost of non-CO2 GHG emissions: Methane and nitrous oxide." *Energy policy* 51 (2012): 957-972.

Thank you,

Robin

**To:** Marten, Alex[Marten.Alex@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Wed 1/21/2015 6:27:34 PM  
**Subject:** recap of SCC/SCM to do list  
[draft SCC,SCM work timeline.docx](#)

Hi Alex and Kate,

Per my discussion with Alex B, here is a recap of our immediate SCC/SCM to do list. Please let me know if I am forgetting something. I will do what I can to send you both my thoughts on #1-3 before the end of the week. And happy to discuss #4 when you are ready.

Need to draft:

**Ex 5**

Also, attached is my draft timeline that Alex B asked for. He said bullet form was fine so I didn't spend much time trying to think of a prettier format, but if you have an idea for alternative (simple!) presentation formats, please let me know. And please let me know if I am forgetting anything. I'd like to send this to him later today or tomorrow morning if possible.

Thanks!

Elizabeth

**To:** Shouse, Kate[Shouse.Kate@epa.gov]  
**Cc:** Marten, Alex[Marten.Alex@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Fri 1/16/2015 7:51:43 PM  
**Subject:** Re: Peer Review of Social Cost of Methane Methodology

Ok super. And please forward the Tuesday invite to Jia and Shaun. Have a great weekend!

Sent from my iPhone

On Jan 16, 2015, at 2:33 PM, "Shouse, Kate" <Shouse.Kate@epa.gov> wrote:

Thanks, Elizabeth, that's great news! Pulling Jia and Shaun into the loop as an FYI. On HD2, I'm likewise not sure what the newest deadline is **Ex 5**  
**Ex 5** but I'll check in with them to ask.

**From:** Kopits, Elizabeth  
**Sent:** Friday, January 16, 2015 2:08 PM  
**To:** McGartland, Al; Barron, Alex; Fawcett, Allen; Shouse, Kate; Newbold, Steve; Griffiths, Charles; Wolverton, Ann; Gunning, Paul; Beauvais, Joel  
**Cc:** Marten, Alex  
**Subject:** FW: Peer Review of Social Cost of Methane Methodology

Hi All,

The SCM reviews are in! See attached.

**Ex 5**

**Ex 5**

**Ex 5**

I will try to find a tentative time early next week for a staff level discussion how to move forward, esp. wrt to the HD2 writeup (not sure what the latest schedule is for the rule package), but please let me know if there are already other management ideas on next steps.

Thanks,

Elizabeth

**From:** Heninger, Brian  
**Sent:** Friday, January 16, 2015 1:15 PM  
**To:** Kopits, Elizabeth; Marten, Alex  
**Subject:** Peer Review of Social Cost of Methane Methodology

Hi Guys,

I am out sick today, but knew I really had to check in today to see if the SCM reviews arrived, especially after all the pushing to get it done quickly. I checked with the contractor/subcontractor yesterday (1/15) and they had received 2 of the 3 reviews. So I had them wait until the third arrived, which it did as scheduled yesterday - Yea! (-:

So, you should have 3 reviews (attached) plus a short summery by the contractor. Each review is formatted differently. I didn't bother retitling each file or anything yet.

1. John Reilly's review is in Word - (Generic title - "EPA Review 1")
2. Steve Rose's review is in PDF and labeled at the top. (Titled: "Peer Review of EPA Proposed Methodology...")
3. The Fisher-Vanden review (also PDF) looks like the Charge Question document what we sent them, but that is just because she used that as a starting point and added text right into that document. The title of the file has her name in it.

Please let me know if any of these 4 files does not come through properly. Also, please forward to others who you think should be included on this e-mail.

Thanks, -Brian

-----

Brian Heninger

Economist / OP Quality Assurance Manager

U.S. Environmental Protection Agency

Office of the Administrator, Office of Policy (OP)

National Center for Environmental Economics

202-566-2270

<methane\_summary.pdf>

<methanedocument1\_final, Fisher-Vanden.pdf>

<EPA Review (1).docx>

<Peer review of EPA SC-CH4 methodology Jan 15 2015.pdf>

**To:** Shouse, Kate[Shouse.Kate@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]  
**Cc:** Li, Jia[Li.Jia@epa.gov]  
**From:** Kopits, Elizabeth  
**Sent:** Wed 1/14/2015 6:53:59 PM  
**Subject:** RE: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Ex 5

Thanks.

**From:** Shouse, Kate  
**Sent:** Wednesday, January 14, 2015 1:48 PM  
**To:** Kopits, Elizabeth; Marten, Alex; Fawcett, Allen  
**Cc:** Li, Jia  
**Subject:** RE: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Ex 5

Ex 5

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, January 14, 2015 1:29 PM  
**To:** Shouse, Kate; Marten, Alex; Fawcett, Allen  
**Cc:** Li, Jia  
**Subject:** RE: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Hi Kate,

Ex 5

Hope this helps! Please feel free to call if you'd like to discuss.

Thanks,

Elizabeth

**From:** Shouse, Kate  
**Sent:** Wednesday, January 14, 2015 12:03 PM  
**To:** Kopits, Elizabeth; Marten, Alex; Fawcett, Allen  
**Cc:** Li, Jia  
**Subject:** RE: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Thanks, Elizabeth, I think our messages may have crossed,

Ex 5

**Ex 5**

Ex 5 The reporter seems confused about what SCC and EO 12866 are (her question is in the attached) so I pulled some language from our internal talking points (hearing prep) and the TSD.

Ex 5

Ex 5

Please let me know what you think; if you won't have time to review, just let me know. I'll need comments by about 3:30 (sorry for the quick turn).

Thanks,  
Kate

**From:** Kopits, Elizabeth  
**Sent:** Wednesday, January 14, 2015 11:00 AM  
**To:** Marten, Alex; Shouse, Kate  
**Cc:** Li, Jia  
**Subject:** RE: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Thanks, Alex.

Ex 5

Ex 5

Happy to look over and help with your draft anytime today.



Elizabeth

**From:** Marten, Alex  
**Sent:** Wednesday, January 14, 2015 9:18 AM  
**To:** Shouse, Kate; Kopits, Elizabeth  
**Cc:** Li, Jia  
**Subject:** RE: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Not that I know of.

Ex 5

**Ex 5**

**Ex 5**

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Alex L. Marten  
phone: (202) 566-2301  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Shouse, Kate  
**Sent:** Wednesday, January 14, 2015 8:40 AM  
**To:** Kopits, Elizabeth; Marten, Alex  
**Cc:** Li, Jia  
**Subject:** Fwd: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Have you received any press questions yet on the Stanford study? Will put something together this morning and send to you both. Email says deadline is cob today but I may need to send sooner for OAR review.

Sent from my iPhone

Begin forwarded message:

**From:** "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>  
**Date:** January 13, 2015 at 5:26:01 PM EST  
**To:** "Shouse, Kate" <Shouse.Kate@epa.gov>, "Li, Jia" <Li.Jia@epa.gov>  
**Subject:** FW: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Hi guys—can you help with a press question?

Ex 5

**Ex 5**

**From:** Bremer, Kristen  
**Sent:** Tuesday, January 13, 2015 5:13 PM  
**To:** Jones, Enesta; Drinkard, Andrea; Davis, Alison; DeLuca, Isabel  
**Subject:** RE: ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

Adding Isabel.

---

Kristen Bremer

Policy Analysis & Communications

U.S. EPA, Office of Air Quality Planning & Standards

Email: [bremer.kristen@epa.gov](mailto:bremer.kristen@epa.gov)

Phone: 919.541.9424

**Ex 6 - Other**

**From:** Jones, Enesta  
**Sent:** Tuesday, January 13, 2015 5:09 PM  
**To:** Drinkard, Andrea; Davis, Alison; Bremer, Kristen  
**Cc:** Jones, Enesta  
**Subject:** ACTION: GreenBiz.com -- Stanford paper RE: on social cost of carbon

DDL: 1/14, COB

**Enesta Jones**

U.S. EPA, Office of Media Relations

**Desk:** 202.564.7873

**Ex 6 - Other**

Begin forwarded message:

**From:** Barbara Grady <[barbara@greenerworldmedia.com](mailto:barbara@greenerworldmedia.com)>  
**Date:** January 13, 2015 at 5:03:52 PM EST  
**To:** <[jones.enesta@epa.gov](mailto:jones.enesta@epa.gov)>  
**Subject:** EPA reaction to Stanford paper on social cost of carbon

Hello Enesta -

I am an editor/ writer for [GreenBiz.com](http://GreenBiz.com) and am putting together a story about the new Stanford paper published in *Nature* yesterday about the social cost of carbon being higher than previously thought (according to their analysis.)

I'm writing to ask you for reaction from the EPA on the paper's findings. I believe the U.S. government defined the social cost of carbon in its advisory regulations, is that right? Executive Order 12866. Please correct me if I'm wrong.

Thanks very much for any help you can provide. By the way, let me introduce myself as well, because I'll be the interim managing editor at [GreenBiz.com](http://GreenBiz.com) for a while and may be contacting you frequently!

Respectfully,

Barbara Grady

Barbara Grady

Interim Managing Editor

[GreenBiz.com](http://GreenBiz.com)

[barbara@greenbiz.com](mailto:barbara@greenbiz.com)

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